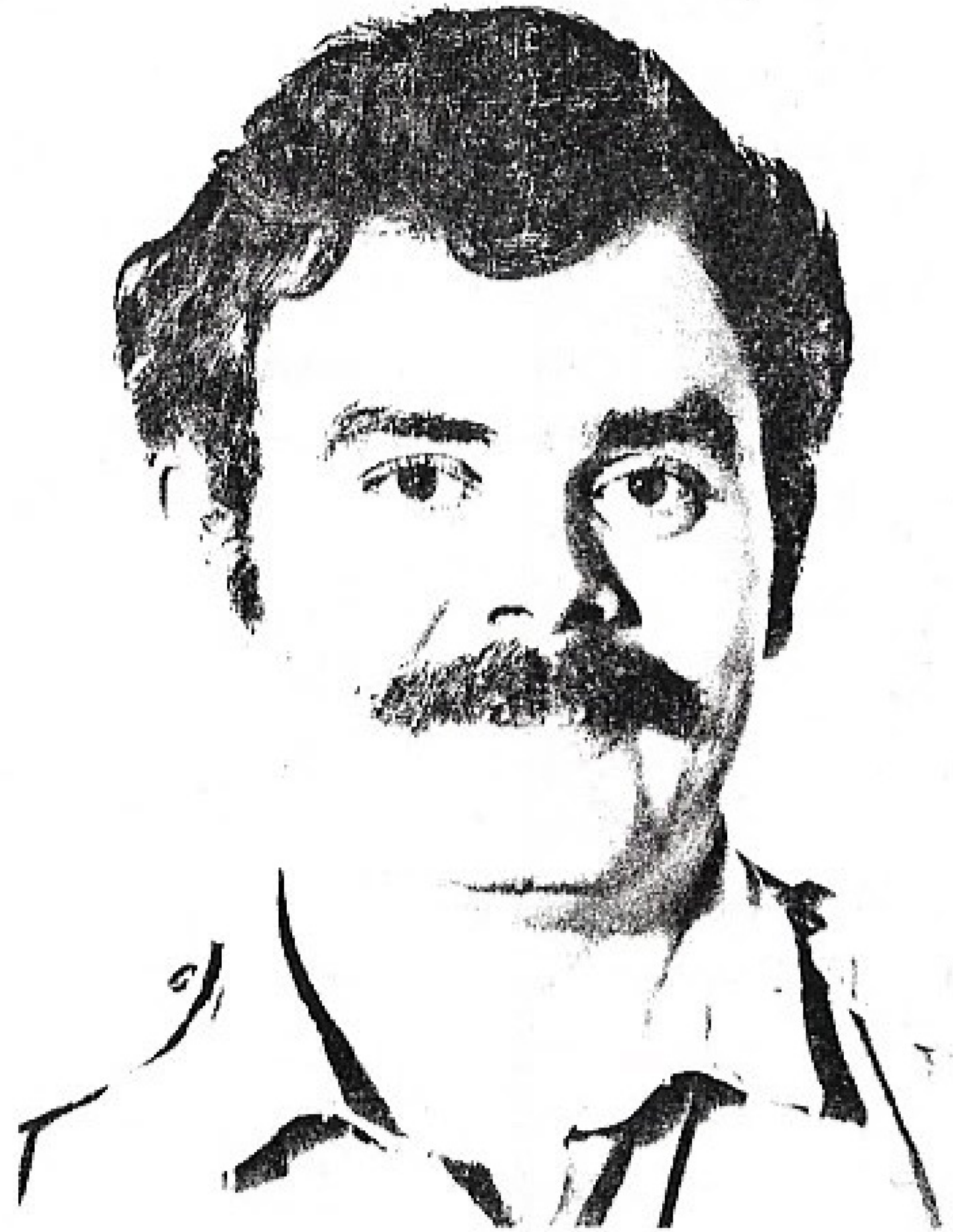


82/05

May 1982

1.

BARG NEWS



POSITION
VACANT

82/05

Choose the right f.e.t.

The editors last page? Well folks after quite some moons on the bench its time I feel that I step down to ~~mm~~ allow the younger members to take over the reins and carry, on to glory the banner of b.a.r.g. to new greater and more distant horizons.....in other words I quit.

Yes folks its election time for office bearers, and time to see a few new faces on the committee. Its not a hard or well paid job, but one that should see the club members involved. If you can spare the one Monday night a month and would like to helpfill out the nominat-ion form get some one to nominate you and have a go.

Nominations will be called for and expected on friday, or by the following meeting when voting will take place. Check your copy of the consitution for the list of office bearers. THERE IS ALSO A NUMBER OF GENERAL COMMITTEE MEMBER POSITIONS TO BE FILLED AS WELL. IF YOU WANT TO BE OF ASSISTANCE BUT NOTFULFIL A PARTICULAR ROLE CONSIDER ONE OF THESE.

(The mag will need an EDITOR who will not be dumped with the whole job for a start, but will have to be interested in co-ordinating the production.)

Clem J. YDI/NAH.

ANNUAL GENERAL MEETING.....ANNUAL GENERAL MEETING.....ANNUAL GEMNERAL MEETING,.....

Hereby and to hoom etc. Next months Friday meeting will be the Annual general meeting of the club: considerit duely promulgated.

FOR SALE ? "MICROWAVE MODULES" 432 Mhz transverter. O/P 10 watts. Good receiver, works Oscar -

contact Andy YQX (053) 482061.

DE-SOLDERING BRAID

Don't throw away those short lengths of co-ax or screened cable, it's quite easy to turn the screening braid into de-soldering wick. Here's how.

First extract the braid and flatten it by pulling it round a drill shank or similar. Dissolve a small piece of resin (as supplied in a p.c. etching kit) in methylated spirits and dip the braid in the solution, then hang it up to dry. And there you are, all set to get the goodies off the surplus circuit boards!

Note, I've found that only the untinned copper braid is effective, the silvered sort not absorbing the solder.

Ken, VK2DOI

Have YOU a handy hint to pass on? If so, let's hear about it, we'll type it up and put it in the Propagator. **BARC NEWS.**

REPORT ON THE MONTHLY MEETING OF THE B.A.R.G. 30th April 1982

The meeting got off the ground about 7.50PM and Dick XCV welcomed visitors Ivan VK5NSI and a tall gent from VK6; APOLOGIES were rendered by Dick VU, Brian ZBS, Ted HIZ, Stan SE and by VZD.

MINUTES OF THE LAST MEETING were read and accepted by all.

NIA/DWJ

There was no business arising from these minutes(Yes, it DOES happen)

CORRESPONDENCE: Out: Letter of thanks to Mr. Lidgett who hosted the recent field day troopers on his property at Myrniong.

INWARDS: Usual Newsletters from Geelong and Illawarra and the Education center, several award applications and a bank statement from way-back-when(for the treasurer). 2 smaller bills also passed for payment to the treasurer.

It was decided, to close the above State Bank ac/and to contact the original signatories for their written authority to do so.

DS/NIA

QSL AND AWARDS: Maurie KEX handled 500 outgoing cards(slack month for cliff, hi) and he netted about 1200 cards in backlogs from the buro, thanks to his super-human efforts in sorting VK3 cards by the bagful. 9 DXWA's were sold plus a few Begonia awards, but it's been a slack season all round, it seems. Maurie also mentioned that he had sent a condolence card on behalf of the club to Doug MC'eod on the passing of his wife recently.

Cliff PAF reported a fairly gratifying response to the local 30m net effort on the part of local participants and quite a good number of call-ins every week. Maurie also had yet another 50dB for the club kitty from the sale of awards, - just keep 'em coming! Mention was also made that a rubber stamp was to be ordered with info regarding our awards, to be put on the back of QSL cards.

PUBLICITY: George DS having been away on hols, - not too much to report. However, he praised Clarry(ex-VEZ) and Harry Yates for their effort and generous donation in taking color pics for the club scrap book of the recent field day and sunday-funday affairs. Thanks fellers, - it's much appreciated.

TECH. REPORT: Phil AQM being rather busy, Dick XCV explained that the repeater was up and going, but needed some fine tuning of the muting circuits. He also proposed that, in grateful recognition of Phil's efforts, a metal plaque, suitably inscribed, should be commissioned and

ONE of a SPECIS (cont).....

3.

ham handbook of the late thirties. And of course a new aerial, a centre fed dipole with tuned feeders supported on beautifully planed and painted thirtyfoot oregon sticks which cost me fifteen shillings the pair brand new and which I still have forty four years later albeit somewhat worn after seven shifts of home! Could tell some good tales about shifting these through the town in the dead of night! And of course and of prime importance a transmitter was required. Now the first requirement for a transmitter was a means of achieving acceptable stability so a crystal was a necessity and considerable thought had to be given to the frequency required to enable IT's use at a selected spot through the harmonically related bands. Final choice was 7070 kc and the crystal was ordered with due ceremony as they were ground individually to order. It was later found that a suprisingly large number of others had also decided on this frequency so my first experience of crystal grinding was rather forced upon me and I moved off slightly to one side. Talking about crystals reminds me a thing which used to happen sometimes and that was double spotting..the thing would oscillate on two different frequencies depending on where the top plate was placed. Could be a blessing or a curse...but we had more time and patience then hi. Oh, and a good spit on the crystal often helped too! The next thought was to choose the type of oscillator circuit and valve as some fancy circuits were rather prone to shatter the precious crystal. My choice was a twin triode, one section oscillator the other doubler or buffer. So far so good. Three watts of C.W. Looking back at my first log book and the stations and the DX that was worked with those three watts makes me wonder if we hams wer'nt conned by the commercial manufacturers of expensive commercial modern "black-boxes". There again we would'nt now go back to our old six foot high racks and birds nests which had to be housed in an extension to the garage or for the fortunate few a real outdoor "shack". About this time the craze for POWER started to catch up with me. For those with enough brass there were some beautiful power tubes available such as the 808 and the T40 but the cheap alternative was to use audio output valves, usually used ones from the local radio shop. I started with a type 45 output triode and added until I had four in parallel which was quite successful until I decided to increase the plate voltage. The sneaky (and exciting) way of doing this was to place a normal (about 350 volt) supplies in series. This quickly sorted out the quality of the insulation in old power transformers... gee they made a lot of smoke ... and the large can type electrolytic condensers which liked to blow their tops off, as I said exciting! It also raised the colour of the plates of the old 45's which frequently burnt right through. We laughingly referred to this as creating "beam power" tubes as these were the latest invention. About this time there was a downstairs shop in Melbourne called Marco's which stocked a large quantity of used and cheap old wireless gear.. it would be a gold mine nowadays. They also had cheap new valves, particularly the the 46 new for three and six each. These were like an old fashioned electric light globe and had blue glass and they made excellent R.F. output amplifiers as a replacement for the 45's. Also they were great for class 'B' audio so were used in the modulator built after the six months apprenticeship on CW was completed. Blow up's were frequent in those days and many a time one would find that all that was left operating was the oscillator so this was keyed for a QSO. Also when the modulator was "out" recourse was made to loop modulation, probably unknown to todays hams. This consisted of a couple of turns of wire near the tank coil connected

to a carbon microphone and a four volt battery. A lot of shouting was required and it was a bit hazardous but it did modulate. Another requirement was a gramophone and pick up to enable gramophone records to be played. This was permissible pre-war under the guise of "testing" and I well remember Stan 3SE and 3DS playing scratchy records (well mine were) to each other on 40 meters. Guess we still hear music on 40 but it's not Glen Miller or Peter Dawson now!

Calls both CQ and reply were much longer due to the transmission being fixed to the crystal frequency at each end which necessitated a good deal of searching on the receiver by both stations before a QSO could take place. I guess there just weren't so many stations then as it used to work!

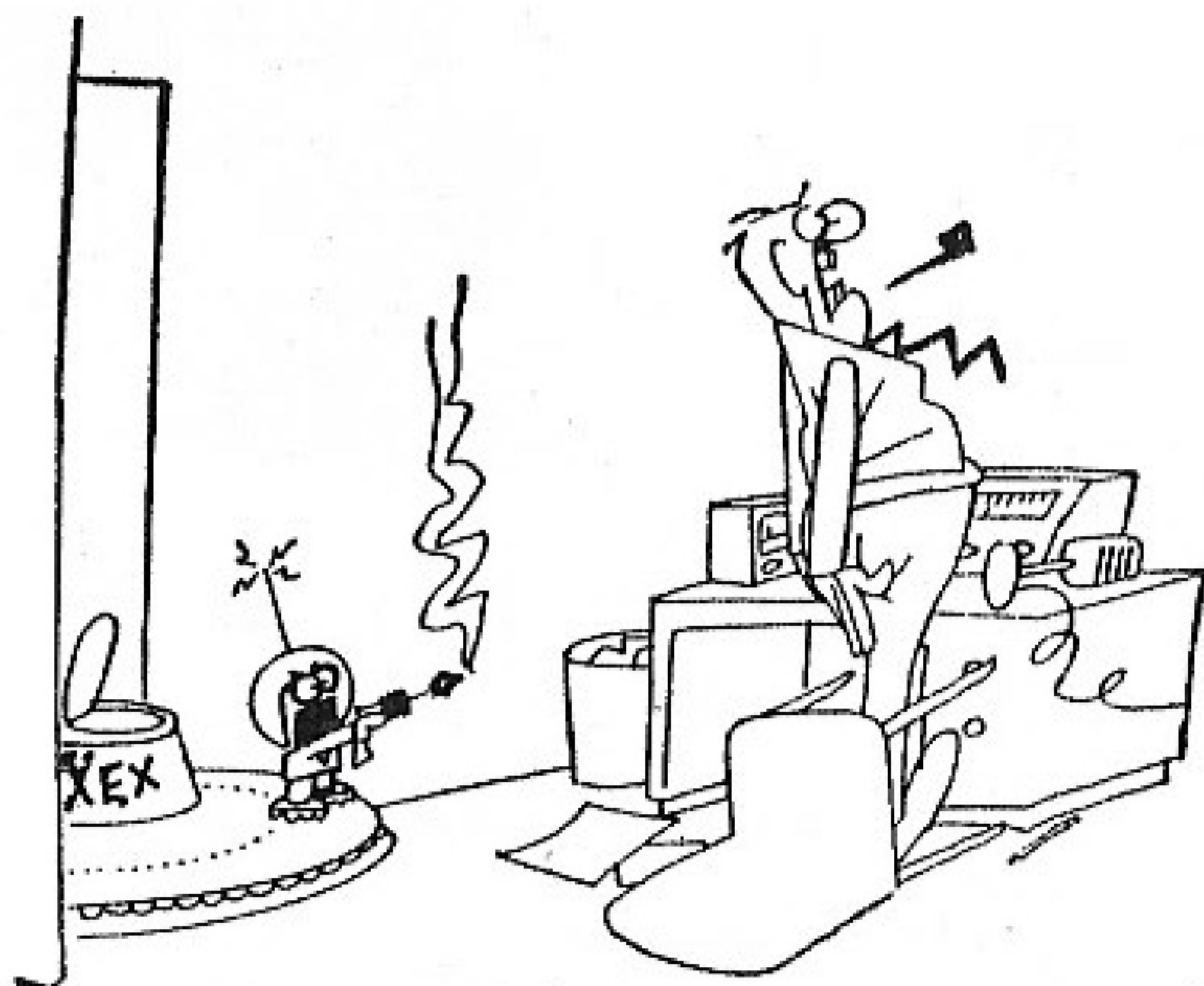
Something which presentday hams take for granted is the humble relay. These were particularly scarce prewar and switching was a very manual operation, frequently necessitating the operation of several switches to turn the transmitter and receiver on or off, plus the aerial change over knife switch, and all in the correct sequence each time.

A particular pal of mine at this time was Bill 3WD who was one of the army of engineers at 3BA's station at Cardigan - (others remembered were 3WA Warne and 3AL Alf the founders of the station) - and I spent many interesting hours out there. These chaps in their spare time built beautiful gear and had magnificent stations. I was there with Bill on an evening in September 1939 a time in history when all news was bad and we were monitoring the BBC broadcast from London.

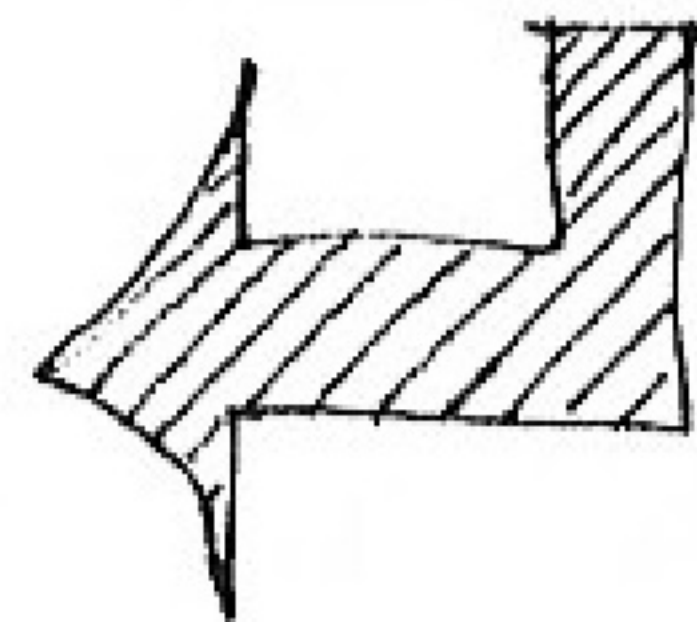
Suddenly the program was interrupted "for an announcement from the Prime Minister" and this was patched into 3BA's transmitter thereby making it the only radio station in Australia to broadcast the declaration of war, quite a scoop.

So an era came to its end, hams were "off the air". Transmitters had to be dismantled packed into boxes and delivered to the Post Office where they were sealed and stored and off we went to war.

GEORGE..... 3DS.



TIMED OUT THE
REPEATER LATELY?



CONTRIBUTORS.....IF YOU KNOW OF AN EVENT OR WHATEVER THAT WILL INTEREST CLUB MEMBERS THE EDITOR MUST KNOW THE MONTH BEFORE IF DETAILS ARE TO BE INSERTED IN THE MAGAZINE.....

Contributed Stuff

82/05. 7

JOHN MOYLE MEMORIAL FIELD DAY
AN-ALYSIS by G Fowler.

RESULTS 1980-82

1980 pk2
VK4WIZ 12321
VK2MB 7690
VK3BEG 5008
VK4ARZ 4025
VK4WIP 3893
VK3BML 3501

1981
VK3ATL 12437
VK4WIZ 12425
VK3AWR 10798
VK3ATM 8005
VK3BML 7831

1982
VK3APC 10667
VK3ATM 10577
VK3BML 8998



6th

5th

3rd

THE PURPOSE OF VHF/UHF BEACONS.

- * To provide a constant signal for the purpose of studying propagation characteristics over different paths.
- * To provide an effective indication of propagation opening.
- * To provide a constant reference signal to local users.

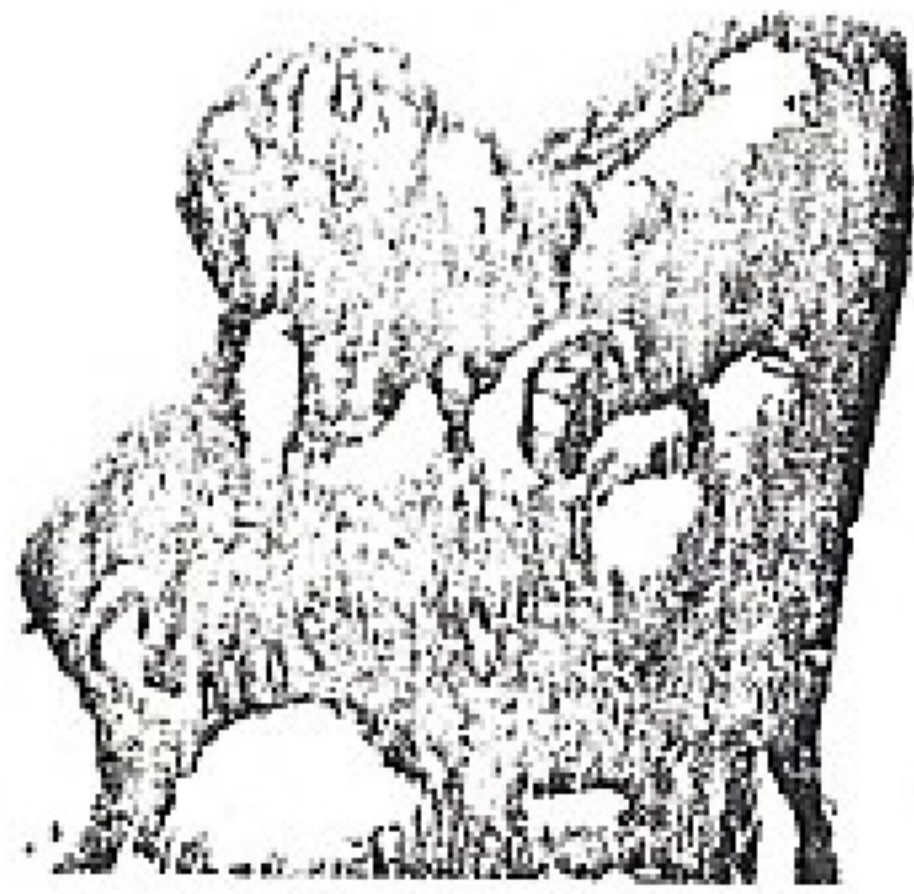
[From DAVID YNB].

LOCATION - A beacon should be located at much the same elevation as the local service.

ONLY THIRD



GEORGE'S COMMENT AFTER HEARING THE RESULTS



LOST ARTICLE - Sorry Stan....

A.I.V. signals, (with sound), are available on 432 mhz. For Details! - contact....

STAN VK3SE.

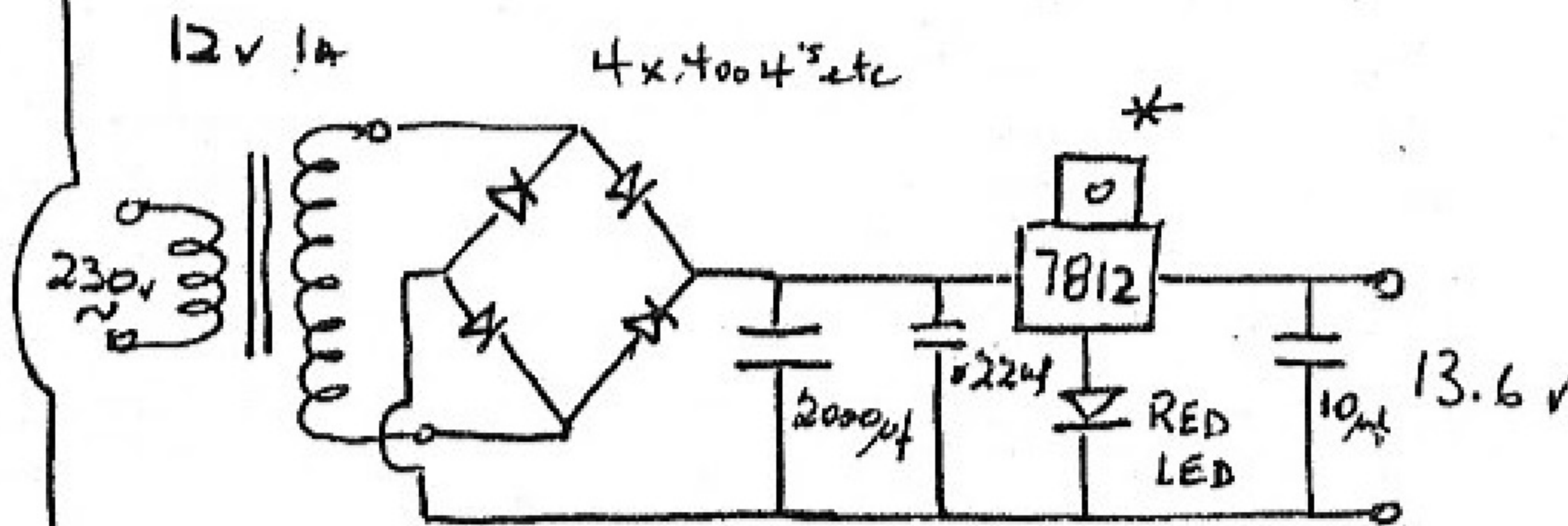
13.6 volt Regulated Power Supply

The low cost 7812 12 volt regulator is great for small supplies up to 1 amp.

Most gear nowadays however is designed to be operated mobile and 13.6 volts is the usual designated operating voltage for the best efficiency.

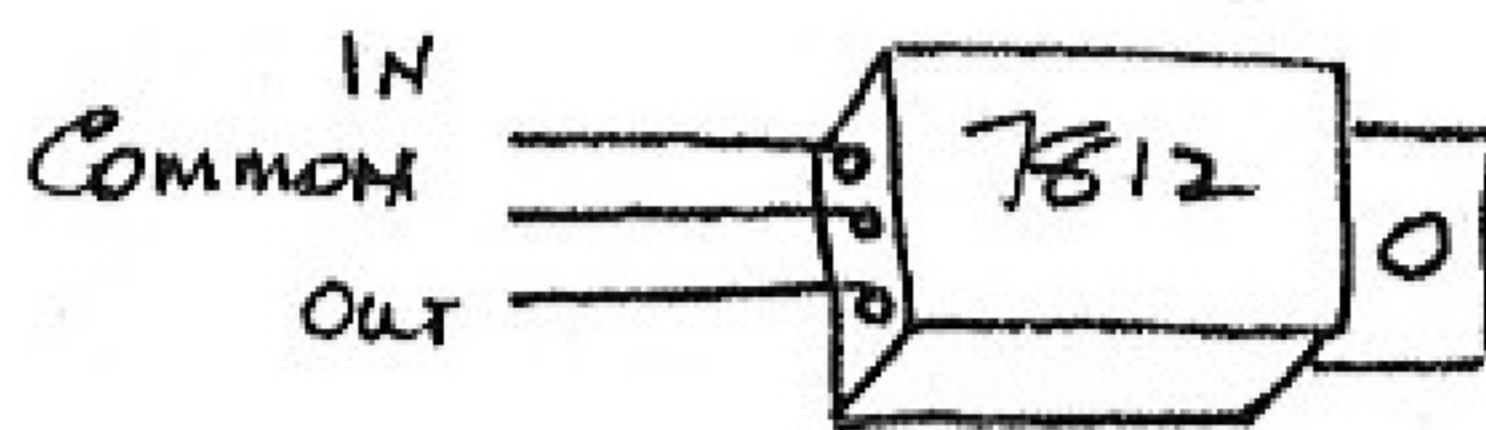
A simple way of achieving this voltage is to "jack up" the normal common connection to earth of the regulator by installing a RED L.E.D. These have a 1.6 volt drop across them when forward biased, that is, alight.

Hey presto, 13.6 volt output, plus a red light to show that the supply is 'on'.



* NOTE. Heat sink is 1.6 volts above earth. I use a piece of builders weather proofing thin aluminium which is black on both sides, area about 15 square cm bolted onto the regulator tag.

3DS



The "BARC NEWS CONTRIBUTION KITS" are still available @ \$1 despite heavy demand and represent good value for money. Those that have purchased them have found them very good value.

GENERAL INFORMATION

"FOR SALE" - YAESU FT200 - AC & DC POWER SUPPLY, SPEAKER, YD148 DESK MIC FITTED. A GOOD CLEAN MACHINE, WILL PASS AND TRIAL... A CHANCE TO GET A GOOD MACHINE..... ONLY \$375.00 THE LOT!
PHONE FRED QUICK, 523216, (UK3NIN) - After 6 p.m. please.

LETTERS TO THE EDITOR

Keep the notes adds and articles rolling, even a little comment. I have an interesting project from Stan which will be appearing next month. Electronic Poetry? News? Views? Suggestions? If you dont write in who will?

HEALTH AND HEALING

YOUR BODY IS THE TEMPLE OF YOUR SOUL

Should you want a healthy body, then a knowledge of its functions, and the do's and don'ts to maintain it, is essential. We are all creatures of habit, particularly in our eating and drinking habits, which, together with exercise and thinking, constitute the main factors governing our bodily health. Ignoring the eating patterns laid down by our parents and friends and all the advertising media, so as to get back to the natural way which our ancestors practised centuries ago, will require a gradual transition from our present habits to raw food eating, and eventually to a vegetarian diet.

One way to start is to eliminate the use of white flour (which means white bread, cakes, biscuits, and the like), white sugar (use honey or raw sugar sparingly), white rice (use brown rice instead), and use salt in extremely small amounts. Do not use a frying pan to cook anything. When cooking, either steam or boil, but drink the residue. Gradually cut down on your coffee and tea drinking, go onto herbal teas or fruit juices. Drink very little, if any, alcohol. (The writer has not drunk tea, coffee or alcohol since 1955). Do not smoke tobacco products. Drink and use rainwater for cooking when possible, not fluoridated water, as its accumulative effect is poisonous.

The body, if kept in good health with right foods and liquids, has the inbuilt ability to eliminate most health problems. You must have a certain amount of vigorous exercise, preferably daily, and avoid stress. I have avoided stress by doing my best in any situation, and saying to myself, "If that is not good enough, well, what the heck!"

Eat plenty of green grains (sprouted for lentils, alfalfa, etc, thing to remember is change. Do it gradually should be reasonable.

Try to find out what your particular needs, and if you have any problems, ask a

The Natural Health Society was started twenty odd years ago, with a number of people interested in health, their aims being to inform and educate. The Society has a speaker talking on some of these are held on the first Wednesday in the month, at 7:30 p.m. at the Carrington Street, Adelaide. The Clarence Park Institute, Park Railway Station. A considerable amount of help is given out to members monthly (including pensioners). This can be

Treasurer, Claude Perry, Valley, or to the Secretary, Emily Avenue, Clapham. For information, ring Elinor on 382 6882.

Natural

WANTED - AXE

82/05

9

82/05
10

9, 10

POT THAT
SPARE RIG
TO USE



salads, raw fruits, whole
(preference), mung beans,
(all sprouted too). One
not to have a crash diet
ly, over six months; this

at foods suit your partic-
do not know your needs, or
naturopath.

Society of South Australia
years ago by a group of
becoming healthy, one of
fluence others to do like-
monthly meetings, with a
aspect of health, and
first Wednesday in each
the Irish Memorial Hall, 11
aide; and on the second
from 10 a.m. to 1 p.m. at
ute, right by the Clarence
A newsletter with a con-
alth information is sent
before the end of the
scription is \$6 (\$4 for
be sent either to the
in, Black Road, Coromandel
retary, Elinor Dunstone, 7
For any further infor-
277 7207 or Tom Ellis on

Tom Ellis
President

Health Society (S.A.) Inc.

NATURAL HEALTH SOCIETY FOR BALLARAT?



OR AXE HEAD AND OR IRONING BOARD - Clem YDI
321951(W) 3 4 79(W).

82/05 11
AMATEUR RADIO TO THE RESCUE

From

THE PROPAGATOR 10

4
WITH THANKS.

Amateur Radio comes to the rescue of many people in many different ways and all amateurs could tell their own stories of providing assistance with communications at the site of an accident or incident.

Here is a brief account of a situation involving "routine" emergency traffic.

It was very late in the evening of Friday 16th April, the location 12 miles east of Orange, N.S.W., on the Lewis Ponds Rd., the weather overcast and cool after recent rains.

Peter VK2TK was taking a walk outside his home QTH where the road descends a long hill towards a bridge and sharp curve at its base. Peter's son John, had just arrived home when another car came down the hill, and the driver lost control. The car overturned several times near the corner... One passenger (without safety belt), was thrown onto the road and suffered extensive facial lacerations, and broken fingers. The other passengers were shocked but mainly unhurt.

Peter drove quickly to the site of the accident, appraised the situation and decided that both the Police and Ambulance were required. He made contact almost immediately on Channel 6650 Repeater (Mt. Bindo) with Ross VK2BRC who was returning to Orange from Sydney, and was fortunately within minutes of the Bathurst Police Station.

Ross noted the details and informed Bathurst Police. His bona fides as an amateur operator were accepted without question, and the Orange Police were informed immediately through the Police VHF Radio network. Ambulance and Police were promptly despatched from Orange.

Bruce VK2FD took over communications and phoned the relations of the people concerned in the accident.

All ended satisfactorily.

Without amateur communications it would have taken perhaps another ten minutes to make phone calls. In more serious circumstances, these minutes could have made the difference between life and death.

Peter VK2TK is to be commended for his quick actions, and presence of mind in establishing protection on both sides of the accident and in tending to the injured person.

It was appropriate that all amateurs involved were trained members of WICEN.

This is only one example of incidents that are probably a regular occurrence without publicity.

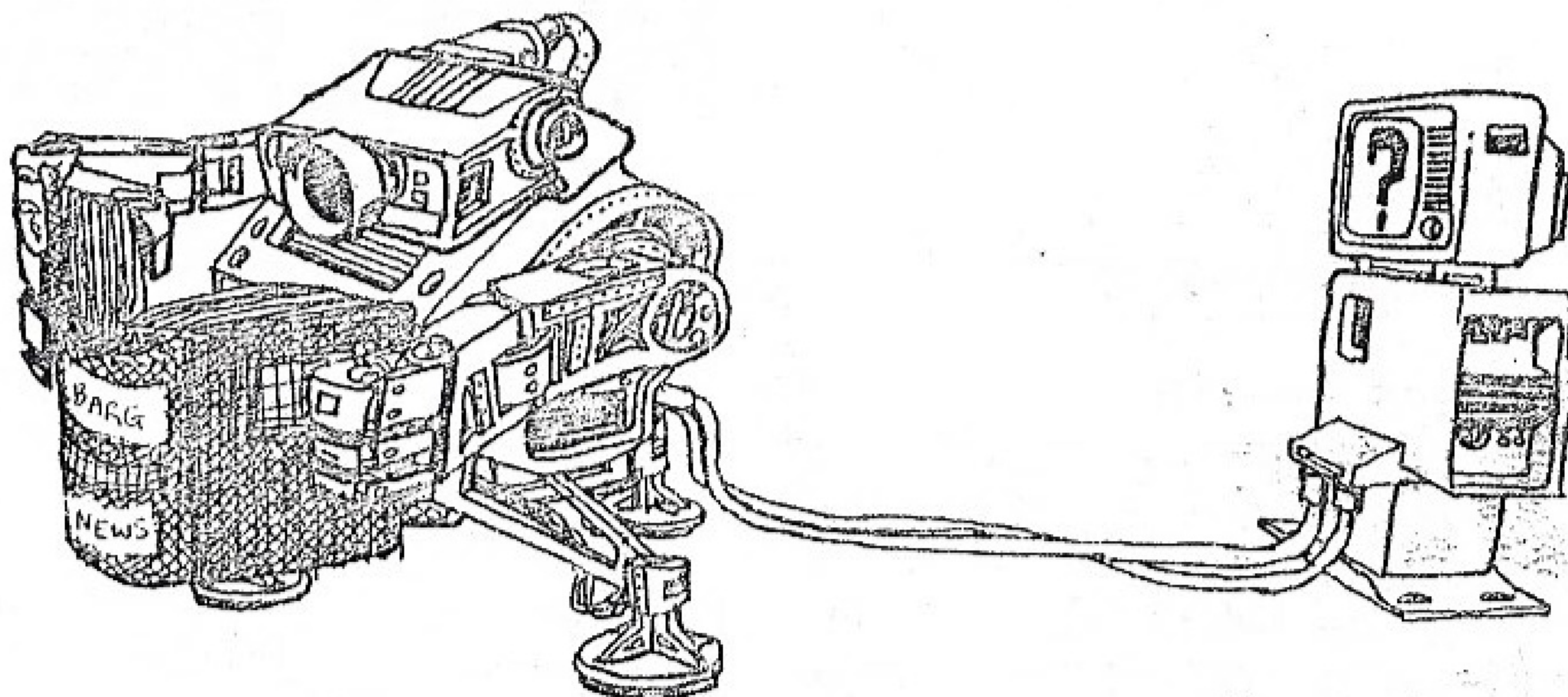
Do you know your procedures well enough to operate calmly, efficiently and effectively in an emergency?

Your help could be needed to-morrow even to-day.

Submitted by Ross VK2BRC

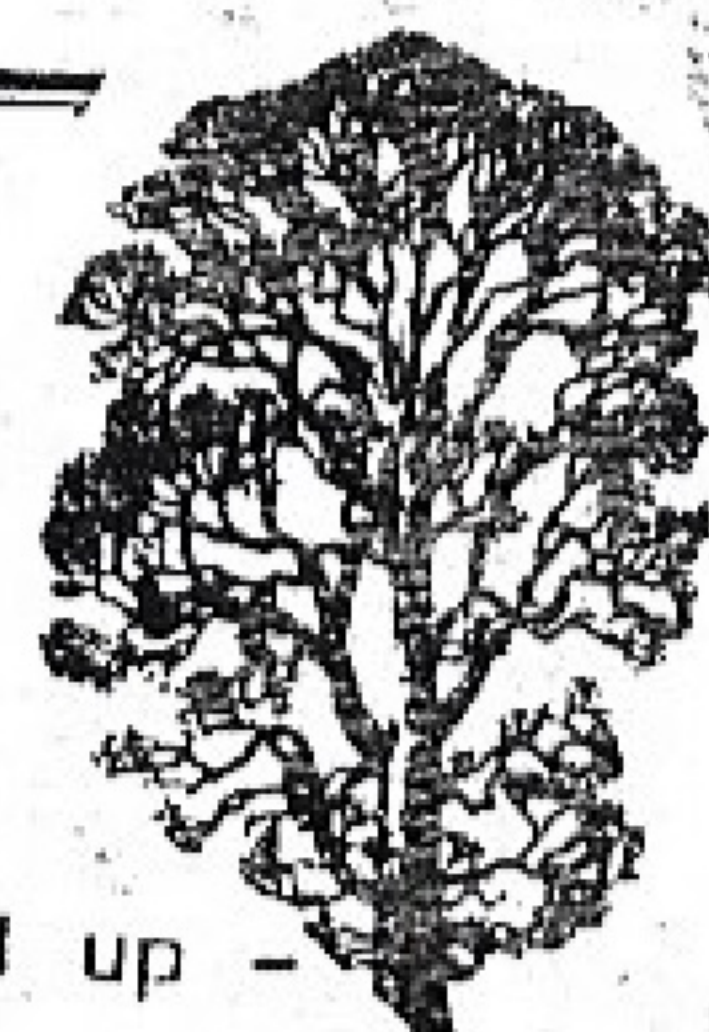
NEXT MONTH.....

82/05 12



some electronic poetry.....

ADVERTISING



Plant a tree today

FOR SALE - Kenwood TS520 se - New, never been fired up -
Maurie Batt - ph 422245.

WANTED - Xtals Ch 8 for IC22A - Will swap for Ch 3 -
Bill Johnson Ph Skipton 22.

WANTED - Cct and Ch 3 Tx Xtal Fr MR6A - Clem NGL 314179.

For SALE - Ext VFO will suit Kenwood TS120s or v -
Ernie Turner 326964 (h).

for SALE - Kenwood 120V - 450\$ Neg. - Tim Palmer 323441

for Sale - Shinwa TVI lo pass filter - \$18 - Richard VUT - 327237.

LATE NEWS -
WANTED TO BUY
MIC TO SUIT
TS120V -
G. FOWLER
326863.

WECAM news -

BRIAN STARES is now an agent for

KENWOOD equip.

and can supply YAESU equip as well as coax,
connectors etc - ph 392808.